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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/932,930	09/18/97	SLEMMER	W 93-C-07C2

BSM1/1209

EXAMINER

CUNNINGHAM, T

LISA K JORGENSEN
SGS-THOMSON MICROELECTRONICS INC
1310 ELECTRONICS DRIVES
M/S 2346
CARROLLTON TX 75006

ART UNIT 2504

PAPER NUMBER

DATE MAILED:

12/09/97

7/27

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

B5M1/1209

LISA K JORGENSEN
SGS-THOMSON MICROELECTRONICS INC
1310 ELECTRONICS DRIVES
M/S 2346
CARROLLTON TX 75006

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED		
08/932,930	09/18/97	023	CUNNINGHAM	2004-12-07		
First Named Applicant	SLEMMER, WILLIAM C.					
TITLE OF INVENTION	DIRECT CURRENT SUM BANDGAP VOLTAGE COMPARATOR					
ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
2 93-C-0702	327-078.000	V05	UTILITY	NU	\$1320.00	03/03/08

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.
PROSECUTION ON THE MERITS IS CLOSED.**

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

Notice of Allowability	Application No. 08/932,930	Applicant(s) Slemmer
	Examiner Terry D. Cunningham	Group Art Unit 2504

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

This communication is responsive to amendments filed 09/18/97

The allowed claim(s) is/are 1, 4-14, 17-26, and 30

The drawings filed on _____ are acceptable.

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been

received.

received in Application No. (Series Code/Serial Number) _____.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

Applicant MUST submit NEW FORMAL DRAWINGS

because the originally filed drawings were declared by applicant to be informal.

including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 4.

including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

Interview Summary, PTO-413

Examiner's Amendment/Comment

Examiner's Comment Regarding Requirement for Deposit of Biological Material

Examiner's Statement of Reasons for Allowance

TERRY D. CUNNINGHAM
PRIMARY EXAMINER
ART UNIT 2504

In an interview with Dan Venglarik on December 1, 1997, Examiner was informed that Amendment I, paper # 25, which was filed on 09/18/97, was inadvertently included along with the Preliminary Amendments for this FWC application. Mr. Venglarik requested removal of Amendment I and that the application be examined with the entry of Amendments G and H, papers # 23 and 24, only. In response thereto, Amendment I has been removed and this action is responsive only to Amendments G and H.

EXAMINER'S AMENDMENT

The following change was made to the specification:

On page 1, the first line was amended to state the following:

This is a Continuation of application serial no. 08/606,233, filed February 23, 1996, now abandoned, which is a Continuation of application serial no. 08/056,301, filed April 30, 1993, now abandoned.

Authorization for this Examiner's Amendment was given in a telephone interview with Dan Venglarik on December 1, 1997.

STATEMENT OF REASONS FOR ALLOWANCE

The claims now all recite the bandgap structure having a specific output function by a given equation not found in the cited prior art references. Thus, the case is found to be in condition for allowance.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Terry Cunningham whose telephone number is (703)308-4872. The examiner can normally be reached on Monday through Thursday from 6:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached on (703)308-4876. The fax phone number for this Group is (703)308-7722. Please note, any faxed paper clearly stating **DRAFT** or **PROPOSED**

36

Art Unit 2504

AMENDMENT at the top will be forwarded directly to the Examiner. All others will be treated as a formal response and acted upon accordingly.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [timothy.callahan@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)308-0956.

TC
December 4, 1997

Terry D. Cunningham
Terry D. Cunningham
Primary Examiner
Group Art Unit 2504